

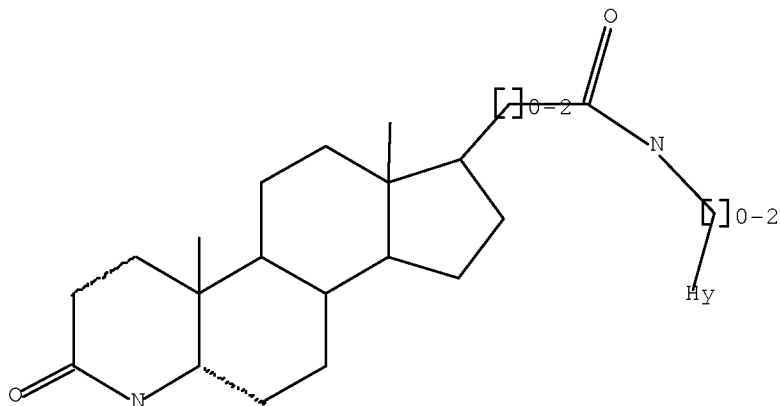
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L1           STRUCTURE UPLOADED

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L2                   17 S L1 SSS SAM

L3                   406 S L1 SSS FULL

FILE 'HCAPLUS' ENTERED AT 11:58:30 ON 07 NOV 2009

L4                   24 S L3

L5                   17 S L4 AND (PY<2004 OR AY<2004 OR PRY<2004)

FILE 'REGISTRY' ENTERED AT 12:00:37 ON 07 NOV 2009

E 142139-33-1/RN

SET EXPAND CONTINUOUS

L6                   1 S E3

E 142139-78-4/RN

L7                   1 S E15

E 142139-57-9/RN

L8                   1 S E27

E 142139-88-6/RN

L9                   1 S E39

E 142140-22-5/RN

L10                  1 S E51

E 142140-23-6/RN

L11                  1 S E63

E 142140-27-0/RN

L12                  1 S E75

E 142140-29-2/RN

L13                  1 S E87

E 153114-66-0/RN

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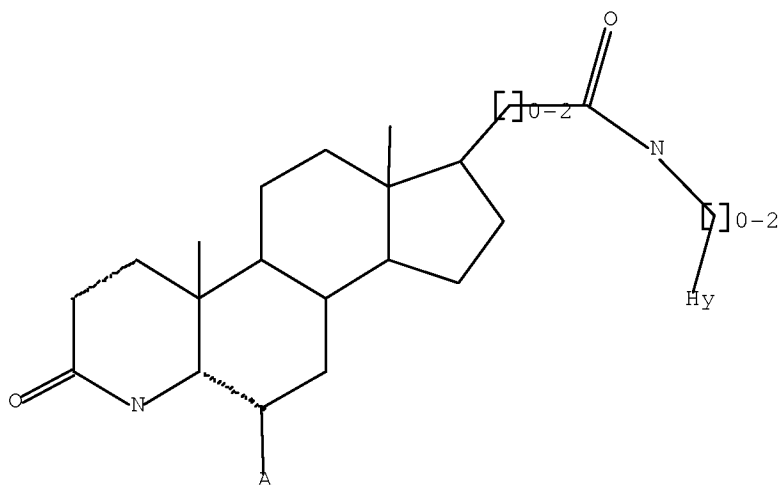
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 L22 1 S E195  
 E 159992-70-8/RN  
 L23 1 S E207

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L24 STRUCTURE UPLOADED

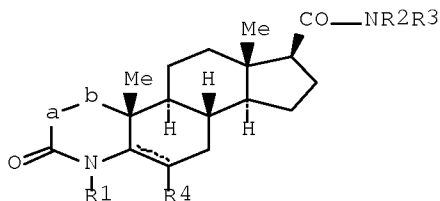
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 L24 STR



L25 5 S L24 SSS SAM  
 L26 130 S L24 SSS FULL

FILE 'HCAPLUS' ENTERED AT 12:11:51 ON 07 NOV 2009  
 L27 2 S L26  
 L28 1 S L27 AND (PY<2004 OR AY<2004 OR PRY<2004)

L28 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2009 ACS on STN  
 TI Synthesis and uses of 4-azasteroid derivatives as selective  
 androgen  
 receptor modulators (SARMs)  
 GI



AB Compds. of structural formula (I) are modulators of the androgen receptor (AR) in a tissue selective manner. They are useful as agonists of the androgen receptor in bone and/or muscle tissue while antagonizing the AR in the prostate of a male patient or in the uterus of a female patient. These compds. are therefore useful in the treatment of conditions caused by androgen deficiency or which can be ameliorated by androgen administration, including osteoporosis, osteopenia, glucocorticoid-induced osteoporosis, periodontal disease, bone fracture, bone damage following bone reconstructive surgery, sarcopenia, frailty, aging skin, male hypogonadism, postmenopausal symptoms in women, atherosclerosis, hypercholesterolemia, hyperlipidemia, obesity, aplastic anemia and other hematopoietic disorders, inflammatory arthritis and joint repair, HIV-wasting, prostate cancer, cancer cachexia, Alzheimer's disease, muscular dystrophies, premature ovarian failure, and autoimmune disease, alone or in combination with other active agents.

ACCESSION NUMBER: 2003:892539 HCAPLUS [Full-text](#)  
DOCUMENT NUMBER: 139:375605  
TITLE: Synthesis and uses of 4-azasteroid derivatives as selective androgen receptor modulators (SARMs)  
INVENTOR(S): Wang, Jiabing; McVean, Carol A.  
PATENT ASSIGNEE(S): Merck & Co., Inc., USA  
SOURCE: PCT Int. Appl., 181 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003092588	A3	20040715		
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	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,			
	LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH,			

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 20041027

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 L29 156 S E217-E218,E222-E228  
 L30 70 S L29 AND (PY<2004 OR AY<2004 OR PRY<2004)  
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 L32 0 S L31 NOT L28  
 E MCVEAN CAROL?/AU  
 L33 11 S E230  
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 L35 1 S L34 AND L4  
 L36 0 S L35 NOT L28